

Commonwealth of Kentucky
Division for Air Quality

PERMIT APPLICATION SUMMARY FORM

Completed by: Esmail Hassanpour

GENERAL INFORMATION:

Name:	Canton Cooperage Company, LLC.
Address:	365 South Woodlawn Avenue Lebanon, KY 40033
Date application received:	6/28/2007
SIC Code/SIC description:	2449, special products sawmills
Source ID:	21-155-00035
Agency Interest:	46439
Activity:	APE20070001
Permit:	F-04-023 R2

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
_x Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	1.46	24.715
PM10	1.02	16.09
SO ₂	0.02	0.63
NO _x	6.57	10.30
CO	8.7	127.98
VOC	7.58	106.92

** Actual Based on Current EIS Reported Values (2005):

CURRENT PERMITTING ACTION:
MINOR REVISION F-04-023 R2

Canton Cooperage Company, LLC. applied to the Kentucky Division for Air Quality, on June 28, 2007, for a minor modification to their existing permit at 365 South Woodlawn Avenue in Lebanon, KY. The facility currently has an operating permit (F-04-023 R1), and manufactures white oak barrels and toasted oak chips for the wine industry. The source is adding a new oak chip grinding operation with the grinder rated at 0.05 tons per hour (EP 10); transfer augers rated at 0.5 tons per hour (EP 11); and an oak chip bagging operations with the chip hopper's loading rate at 0.12 tons per hour (EP 12). These additions have been on site for some time but were inadvertently excluded from the revision 1 application. The source is removing the stave mill operations (EP 01). These additions qualify as insignificant activities per 401 KAR 51:030, Section 6 as the potential emissions are less than 5 tons per year of any regulated air pollutants.

Summary

Canton Cooperage Company, LLC.

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PAST PERMITTING ACTION:

Minor Revision - F-04-023 R1

An application submitted by Canton Cooperage, LLC. for a minor modification to their existing permit was received on May 16, 2006. This revision will increase the maximum capacity of emission Point 5, Oak Chip Production, and add a new wood boiler and associated wood hopper.

Initial oak chip production levels were based on data provided by an out-of-state oak chip production facility. Based on one year's chip production, the equipment has been determined to produce more than previously estimated levels. The new maximum rated capacity for processing oak chips is 20,006 tons/year, which is a 6.3 tons/year increase in emissions from the initial application. The new wood waste boiler (EP9) is rated at 3.312 mmBtu/hour and will be used to create steam for the plant. Fly-ash will be reinjected into the firebox and any remaining ash will be collected by the attached cyclone, rated at 98.4 % efficiency. A new wood waste hopper (EP8) will be used to hold sawdust and woodchips generated from the cooperage operations. A cyclone, rated at 80% efficiency, will be used to control particulate emissions.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The source shall be limited to emissions less than 90 tons per year of any regulated air pollutant, to preclude the applicability of 401 KAR 52:020. The potential emissions of Carbon Monoxide emission (CO) and Volatile Organic Compounds (VOC) are more than 100 tons per year from the source operating at full capacity. However, the permittee decided to accept emission caps to stay under major source thresholds as defined in 401 KAR 52:030. Carbon Monoxide emission (CO) and Volatile Organic Compounds (VOC) are limited to less than 90 tons in any consecutive 12 months.

OPERATIONAL FLEXIBILITY:

None